

## Specialized Cases of Model Training

In this section, we'll have a look at some of the specialized cases of model training. But first, let's review the main types of machine learning approaches that we introduced back in the first lesson.

### A Review of Approaches to Machine Learning

As you now know, there are three main approaches to machine learning:

- **Supervised learning**
- **Unsupervised learning**
- **Reinforcement learning**



QUIZ QUESTION

Each of the approaches listed below can be categorized as a type of *supervised learning*, *unsupervised learning*, or *reinforcement learning*. Can you match them up correctly?

- Reinforcement learning
- Unsupervised learning

APPROACH	SUPERVISED, UNSUPERVISED, OR REINFORCEMENT
Markov decision process	Reinforcement learning
Classification	Supervised learning
Similarity learning	Supervised learning
Clustering	Unsupervised learning

SUBMIT

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NEXT